Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1	1-47.	(Cancelled).	٠,	•	

1	48.	(Currently amended) A method implemented by a secondary server to maintain a
2		secondary directory, comprising:
3		receiving notification from a primary server that a particular update non-idempotent
4		operation has been made performed by the primary server to on a primary
5		directory;
6		in response to the notification, making performing the particular update non-
7		idempotent operation to on the secondary directory such that the second
8		secondary directory mirrors the primary directory;
9		receiving a request, from a client, to make perform the particular update non-
10		idempotent operation to on the secondary directory, wherein the client sends
11		the request because the client has not received confirmation that the primary
12		server has made performed the particular update non-idempotent operation to
13		on the primary directory;
14		determining recognizing that the particular update non-idempotent operation,
15		identified in the request, cannot be made performed to on the secondary
16		directory because the particular update non-idempotent operation has already
17		been made performed to on the secondary directory as a result of receiving
18		the notification from the primary server; and

19		in response to the determination recognition that the particular update non-
20		idempotent operation has already been made performed to on the secondary
21		directory, the secondary server sending an indication to the client that the
22		particular update non-idempotent operation was successfully made to
23		performed on the secondary directory even though the non-idempotent
24		operation was not performed on the secondary directory after receiving the
25		request.
1	49.	(Currently amended) The method of Claim 48, wherein said particular update non-
2		idempotent operation involves is an add operation.
1	50.	(Currently amended) The method of Claim 48, wherein said particular update non-
2		idempotent operation involves is a delete operation.
1	51.	(Currently amended) The method of Claim 48, wherein said particular update non-
2		idempotent operation involves is adding a rename operation.
1	52.	(Currently amended) A machine-readable medium carrying one or more sequences
2		of instructions for maintaining a secondary directory, wherein execution of the one
3		or more sequences of instructions by one or more processors of a secondary server
4		causes the one or more processors to perform the steps of:
5		receiving notification from a primary server that a particular update non-idempotent
6		operation has been made performed by the primary server to on a primary
7		directory;
8		in response to the notification, making performing the particular update non-
9		idempotent operation to on the secondary directory such that the second
10		secondary directory mirrors the primary directory;

11		receiving a request, from a client, to make perform the particular update non-
12		idempotent operation to on the secondary directory, wherein the client sends
13		the request because the client has not received confirmation that the primary
14		server has made performed the particular update non-idempotent operation to
15		on the primary directory;
16		determining recognizing that the particular update non-idempotent operation,
17		identified in the request, cannot be made performed to on the secondary
18		directory because the particular update non-idempotent operation has already
19		been made performed to on the secondary directory as a result of receiving
20		the notification from the primary server; and
21		in response to the determination recognition that the particular update non-
22		idempotent operation has already been made performed to on the secondary
23		directory, the secondary server sending an indication to the client that the
24		particular update non-idempotent operation was successfully made performed
25		to on the secondary directory even though the non-idempotent operation was
26		not performed on the secondary directory after receiving the request.
1	53.	(Currently amended) The machine-readable medium of Claim 52, wherein said
2		particular update non-idempotent operation involves is an add operation.
1	54.	(Currently amended) The machine-readable medium of Claim 52, wherein said
2		particular update non-idempotent operation involves is a delete operation.
1	55.	(Currently amended) The machine-readable medium of Claim 52, wherein said
2		particular update non-idempotent operation involves is adding a rename operation.

1	56.	(Currently amended) An apparatus for maintaining a secondary directory,
2		comprising:
3		a module means for receiving notification from a primary server that a particular
4		update non-idempotent operation has been made performed by the primary
5		server to on a primary directory;
6		a module means for making performing the particular update non-idempotent
7		operation to on a secondary directory such that the second secondary
8		directory mirrors the primary directory in response to receiving the
9		notification;
0		a module means for receiving a request, from a client, to make perform the particular
l 1		update non-idempotent operation to on the secondary directory, wherein the
12		client sends the request because the client has not received confirmation that
13		the primary server has made performed the particular update non-idempotent
14		operation to on the primary directory;
15		a module means for determining recognizing that the particular update non-
16		idempotent operation, identified in the request, cannot be made performed to
ĺ7		on the secondary directory because the particular update non-idempotent
18		operation has already been made performed to on the secondary directory as
19		a result of receiving the notification from the primary server; and
20		a module means for sending, from the secondary server, an indication to the client
21		that the particular update non-idempotent operation was successfully made
22		performed to on the secondary directory in response to determining the
23		recognition that the particular update non-idempotent operation has already
24		been made performed to on the secondary directory even though the non-

25		idempotent operation was not performed on the secondary directory after
26		receiving the request.
1	57.	(Currently amended) The apparatus of Claim 56, wherein said particular update non-
2		idempotent operation involves is an add operation.
1	58.	(Currently amended) The apparatus of Claim 56, wherein said particular update non-
2	!	idempotent operation involves is a delete operation.
1	59.	(Currently amended) The apparatus of Claim 56, wherein said particular update non-
2	2	idempotent operation involves is adding a rename operation.
1	60.	(New) The method of Claim 48, wherein said primary directory and said secondary
2	2	directory are both LDAP directories.
1	61.	(New) The machine-readable medium of Claim 52, wherein said primary directory
2	2	and said secondary directory are both LDAP directories.
1	l 62.	(New) The apparatus of Claim 56, wherein said primary directory and said
2	2	secondary directory are both LDAP directories.